

Information Security Governance Presentation of Knowledge of Society Training Paper

Information Security

Information security is set of operations and measures for development of knowledge relation mediating rational social interaction; interaction based on probable social relations having continuity.

Information Security is a central management system in organization protecting its most important resources, knowledge and information.

Information security's role is emphasized in information society change of social production. In information society services the central producing unit is service itself. There exist no social structures guaranteeing functions of production. Information security is the leading principle creating the continuity of service and guaranteeing its functions. In information society service information security management is the main management system determining knowledge creation, development and processing.

Information security is a governance system. It is a prerequisite for the integrity and credibility of social relations and action. It is main factor in building confidence and trust in social relations. Information security management is means of information security governance for security objectives implementation.

Information Security: Determination of Social

All social action is based on management of global risks. Global in the social sense means relations having a risk probability equal to 1. When risk is smaller than 1 it may be discussed about social relations having continuity.

Risk management is general foundation for social action. Social relations are based on mediation of socially meaningful knowledge. This builds relations where social is based on. Information security determines the dimensions of social.

In modern society social has two important forms: 1) organization where knowledge is instrumentally protected, 2) information society services based on information security.

Information Security Management

Global development of risk management creates social relations of action. In organizations and information society services exists a formal management system for information security. It actually maintains the social structures and relations developed in global risk management.

Information security management system (ISMS) for organizations is specified in standard series ISO 27000. Respective management system should be defined for processes and information society services.

Information Security and Interaction Objectives

Setting information security objectives is a knowledge management process. It should be appropriate to create a capable information security management of social relations. The actual capability of ISMS is realized in the implementation process of objectives.

Objective of information security is in general to protect knowledge in a way that serves the objectives of interaction. This means information protection for usable knowledge at organization where it serves objectives of instrumental interaction. Regarding information society services selection of means in action exists not in the instrumental sense and thus also knowledge does not serve such interests.

Risk Management

Risk management is foundation for development of social and on the other hand a methodology comparable to technology.

Risk assessment is based on specification of probability and consequences of risk generating events. According to this are planned the measures for information security.

Risks are occurrences in sets of incidents having a distribution that should be determined by risk management methodologies. The measures for risk management are determined by the distribution and build a management of social relation according to its meaning.

Information Security Capability and Measurement

Information security management may be evaluated according to capability and maturity. Information security management capability concerns social relations, continuity of rational action. Its basis is measurement, audit and risk assessment of individual events and measures.

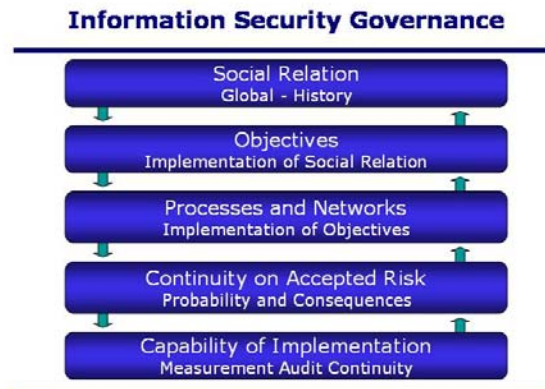
Objectives settling is foundation for capability. The actual capability of ISMS is realized in the implementation process of objectives.

Capability is possible to treat only as a distribution of several events and measures in relation to accepted objectives. It is possible to determine a scale of capable information security systems, where objectives are determined by some specified requirements. These do form ISMS maturity levels.

Information Security Governance

Information security is a prerequisite for existence of social relation. Knowledge mediation has forms differing regarding their meaning, continuity in social relationships. This continuity is determined by information security.

For information security implementation and operationalization these properties of social relation are concluded as objectives for social interaction forms.



Implementation of objectives is realized in specifications of processes and networks where interaction is produced and realized. These are described as social relations. This requires a specific methodology.

Processes' and networks', in general social relation, continuity is based on action according to accepted risk. Risk acceptance is based on rational action. It takes into consideration the probabilities and consequences of risks. Social continuity is possible on every combination of probability and consequences.

Implementation of social relation is evaluated and measured according to capability of information security arrangements, processes and systems. They are relative to social relation, its continuity and meaning. These requirements are described as maturity levels of information security management.

In information society service information security capability is the only guarantee for social relations continuity.

Evaluation of information security capability affects back into every component of information security framework. Its totality builds a management process for continual improvement of information security - also continuity of social relation.